



Molecular Cell Research

Vol. 1401, 1998

Cumulative Contents



BBA is cited in: Current Contents / Life Sciences - Biological Abstracts - Chemical Abstracts - Index Chemicus - Index Medicus / MEDLINE - Cambridge Scientific Abstracts (CSA) - Excerpta Medica (EMBASE) - Reference Update - Current Awareness in Biological Sciences (CABS)

Information for Contributors

Regular papers

Nuclear clustering in myotubes: a proposed role in acetylcholine receptor mRNA expression

K.A. Duca, K.P. Chiu, T. Sullivan, S.A. Berman and S. Bursztajn (USA)

YAC transgenesis: a study of conditions to protect YAC DNA from breakage and a protocol for transfection

R. Bauchwitz and F. Costantini (USA)

Lipocortin 1 co-associates with cytokeratins 8 and 18 in A549 cells via the N-terminal domain

J.D. Croxtall, H.-L. Wu, H.-Y. Yang, B. Smith, C. Sutton, B.-I. Chang, G.-Y. Shi and R. Flower (UK, Taiwan)

Effects of PAX2 expression in a human fetal kidney (HEK293) cell line

E. Torban and P.R. Goodyer (Canada)

Apoptotic cell death and CPP32-like activation induced by thapsigargin and their prevention by nerve growth factor in PC12 cells

T. Takadera and T. Ohyashiki (Japan)

Subsection Signal Transduction

Short sequence-paper

Molecular cloning of cDNAs encoding $\alpha 1$, $\alpha 2$, and β subunits of rat brain platelet-activating factor acetylhydrolase

M. Watanabe, J. Aoki, H. Many, H. Arai and K. Inoue (Japan)

vii

Regular papers

Smooth muscle aldolase C-bound inositol 1,4,5-trisphosphate studied in vitro under physiological conditions

C.B. Baron, P. Greeley and R.F. Coburn (USA) 81

Evolutionary analysis of G-proteins in early metazoans: Cloning of α - and β -subunits from the sponge *Geodia cydonium*

J. Seack, M. Kruse and W.E.G. Müller (Germany) 93

Stimulation of 42/44 kDa mitogen-activated protein kinases by arginine vasopressin in rat cardiomyocytes

O. Aharonovitz, S. Aboulafia-Etzion, J. Leor, A. Battler and Y. Granot (Israel) 105

Density dependent elevation of phosphatidylinositol-3 kinase level in rat 3Y1 cells

S. Daduang, K. Kimura, S. Nagata and Y. Fukui (Japan) 113

Ligation of the α_2 M signaling receptor with receptor-recognized forms of α_2 -macroglobulin initiates protein and DNA synthesis in macrophages. The effect of intracellular calcium

U.K. Misra and S.V. Pizzo (USA) 121

Information for Contributors

vii

Reviews

Sorting out adaptors

D.A. Lewin and I. Mellman (USA) 129

L is for lytic granules: lysosomes that kill

L.J. Page, A.J. Darmon, R. Uellner and G.M. Griffiths (UK) 146

Regular papers

PMA alters folate receptor distribution in the plasma membrane and increases the rate of 5-methyltetrahydrofolate delivery in mature MA104 cells

C.M. Lewis, A.K. Smith, C. Nguyen and B.A. Kamen (USA) 157

- The acute-phase protein α 1-antitrypsin inhibits transferrin-receptor binding and proliferation of human skin fibroblasts
I. Graziadei, C.M. Kähler, C.J. Wiedermann and W. Vogel (Austria) 170
- Identification and androgen regulation of egasyn in the mouse epididymis
A. Abou-Haila, M.-C. Orgebin-Crist, M.D. Skudlarek and D.R.P. Tulsiani (France, USA) 177
- Upregulation of vascular endothelial growth factor by angiotensin II in rat heart endothelial cells
C.C. Chua, R.C. Hamdy and B.H.L. Chua (USA) 187
- High pressure conditions promote the proliferation of rat cultured mesangial cells in vitro
Y. Kawata, Z. Fujii, T. Sakumura, M. Kitano, N. Suzuki and M. Matsuzaki (Japan) 195
- Presence of laminin fragments in cyst fluid from patients with autosomal dominant polycystic kidney disease (ADPKD): role in proliferation of tubular epithelial cells
M.J. Slade, R.B. Kirby, I. Pócsi, J.K. Jones and R.G. Price (UK) 203

Subsection Signal Transduction

Rapid report

- Downregulated expression of the signaling molecules Nck, c-Crk, Grb2/Ash, PI 3-kinase p110 α and WRN during fibroblast aging in vitro
K. Matuoka and T. Takenawa (Japan) 211

Short sequence-paper

- Cloning of the rat brain cDNA encoding for the SLC-1 G protein-coupled receptor reveals the presence of an intron in the gene
B. Lakaye, A. Minet, W. Zorzi and T. Grisar (Belgium) 216

Regular paper

- Growth regulation of primary human keratinocytes by prostaglandin E receptor EP₂ and EP₃ subtypes
R.L. Konger, R. Malaviya and A.P. Pentland (USA) 221

Information for Contributors

vii

Rapid report

- Correlation between stationary phase survival and acid trehalase activity in yeast
A. Roy and A.K. Ghosh (India) 235

Short-sequence-paper

- A *Xenopus* cysteine string protein with a cysteine residue in the J domain
A. Mastrogiacomio, H.I. Kornblum, J.A. Umbach and C.B. Gundersen (USA) 239

Review

- Evolution and regulatory role of the hexokinases
M.L. Cárdenas, A. Cornish-Bowden and T. Ureta (France, Chile) 242

Regular papers

- Novel cellular determinants for reversal of multidrug resistance in cells expressing P170-glycoprotein
M.-b. Yin, B. Guo, W. Voigt, U. Vanhoefer, J.F. Gibbs, B.S. Skenderis, C. Frank, C. Wrzosek and Y.M. Rustum (USA) 265
- Nonsteroidal anti-inflammatory drugs, short-chain fatty acids, and reactive oxygen metabolism in human colorectal cancer cells
C. Giardina and M.S. Inan (USA) 277
- Identification of a distinct antibacterial domain within the N-lobe of ovotransferrin
H.R. Ibrahim, E. Iwamori, Y. Sugimoto and T. Aoki (Japan) 289
- Ganglioside composition of GH₃ cells: Enhancement of fucoganglioside expression by estradiol, epidermal growth factor and insulin
S. Takamori, S. Itonori, K. Nakamura, M. Suzuki, A. Suzuki, F. Inagaki, K. Shiota and T. Ogawa (Japan) 304

Subsection Signal Transduction

Short-sequence-paper

- A murine specific splicing variant of the acetylcholine receptor ϵ -subunit gene transcript
K. Koishi and I.S. McLennan (New Zealand) 315

Regular papers

Conjugation of ubiquitin-like polypeptide to intracellular acceptor proteins

T. Nagata, M. Nakamura, H. Kawauchi and Y. Tanigawa (Japan)

319

Acrosome reaction inactivation in sea urchin sperm

A. Guerrero, L. García, O. Zapata, E. Rodríguez and A. Darszon (Mexico)

329

Mastoparan induces an increase in cytosolic calcium ion concentration and subsequent activation of protein kinases in tobacco suspension culture cells
K. Takahashi, M. Isobe and S. Muto (Japan)

339

Cumulative Contents, Vol. 1401

347

Author Index

350